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states:(71) Applicant: **DENSO CORP**(72) Inventor: **KATO YASUNARI  
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(74) Representative:

**(54) ACCELERATOR  
DEVICE**

(57) Abstract:

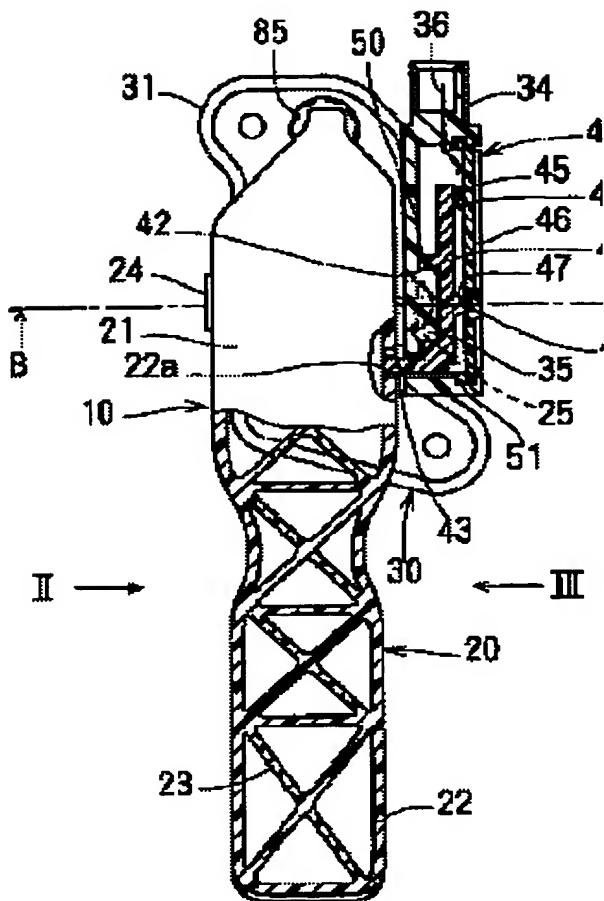
**PROBLEM TO BE SOLVED:** To provide an accelerator device capable of preventing the disassembling of the device before assembling, reducing the number of pieces of components and the manhour for assembling, and detecting an opening of an accelerator with high accuracy.

**SOLUTION:** A through-hole 24a of an accelerator pedal 20 is inserted to a projecting part 33 of a supporting member 30, a projecting part 25 of the accelerator pedal 20 is fitted and supported in a recessed part 35a of the supporting member 30, and the accelerator pedal 20 is directly rotatably supported by the supporting member 30. A first rotor 60 and a second rotor 70 are engaged with each other through bevel gears. The first rotor 60 is rotated with the accelerator pedal 20, and the second rotor 70 receives the elastic force toward an initial position of the

accelerator pedal 20 from a spring 80. The first rotor 60 and the second rotor 70 receive the force in the direction separating from each other in the rotary shaft direction by the engagement of a bevel gear 63 and a bevel gear 74 regardless of the rotating direction of the accelerator pedal 20, and the projecting part 25 of the accelerator pedal 20 is pressed to the recessed part 35a of the supporting member 30.

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(A)



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